Edmore Public School
706 Main St, Edmore, ND 58330

Physical Science Lesson Plan	
Dates: October 2 - 6, 2023	**Time and Period:** 10:30 - 11:22 AM, Third Period

Performance Standard:

HS-PS1-1
Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

HS-PS1-5
Apply scientific principles and evidence to provide an explanation about the effects of the reacting particles on the rate at which a reaction Occurs.

HS-PS1-7
Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.

Monday, October 3	
Topic	Compounds and Molecules, pp. 177 - 182
Objectives	Describe what happens to atoms that gain or lose electrons.
Bell Ringer	Define ***chemical bonds.***
Procedure / Instructional Delivery	Discussion, Laboratory Activity, Models
Assessment	Laboratory Worksheet, pp. 175 Graphing Atomic Radii - Continuation, pp. 166 and 167

Tuesday, October 4	
Topic	Ionic Bonds, pp. 184 and 185
Objectives	Describe ionic bonds and give examples.
Bell Ringer	Define ***ionic bonds.***
Procedure / Instructional Delivery	Discussion, Guided Practice, Simulation
Assessment	Laboratory Worksheet Practice Exercise on Ionic Bonds

Wednesday, October 4	
Topic	Covalent Bonds, pp. 186 and 187
Objectives	Describe covalent bonds and give examples.
Bell Ringer	What is a covalent bond?
Procedure / Instructional Delivery	Model-making, Analysis, Guided Practice
Assessment	Laboratory Worksheet Practice Exercise on Covalent Bonds

Thursday, October 5	
Topic	Continuation of Covalent Bonds, pp. 186 and 187
Objectives	Draw examples of polar and nonpolar covalent bonds.
Bell Ringer	What are two examples of a covalent bond?
Procedure / Instructional Delivery	Model-making, Analysis, Guided Practice, Simulation
Assessment	Practice Exercise on Covalent Bonds / Model- Making

Friday, October 6	
Topic	Unit Test and Metallic Bonds, pp. 188 and 189
Objectives	Describe metallic bonds and give examples.
Bell Ringer	What is a metallic bond?
Procedure / Instructional Delivery	Model-making, Analysis, Guided Practice
Assessment	Practice Exercise on Metallic Bonds Unit Test